

■ Outside Plant for
Business-Critical Continuity™

NetXtend™ JuiceBox® Series
Integrate Enclosure Solution





Key Features

- UL 891 Dead Front Switchboard or UL67 Panel Board Listed to industry standards for electrical requirements
- UL 3R rated to industry standards for rainproof protection
- Available in numerous configurations, each utilizing components from an array of world-class manufacturers for application flexibility
- Bottom access compartment provides ease of installation and eliminates condensation
- Wall, pole, or pad-mount options allow for flexible installation
- Equipment/ground isolation provides positive grounding of all components
- Dual polarity indicator light option alerts user of active power status
- Three-point locking system accessed using a 216-type tool (optional), with padlock provisions, offers greater security
- All aluminum or galvanized construction and stainless steel hardware for durability, light weight and low maintenance costs
- Our multistage powder coat finishing process meets or exceeds EPA standards and provides a tough corrosion-resistant finish for longer life



Description

NetXtend™ JuiceBox® Series integrated enclosures from Emerson are full-service power transfer pedestals for use with outdoor electronic equipment closures (i.e., base stations, remote terminals, fiber nodes, UE, CEV, MESA and NetXtend™ Flex). The deadfront design provides 120/240V single or three phase service, a commercial AC/generator power transfer point through a mechanical transfer circuit breaker system and a metering point. A load center is provided for power distribution. One position is reserved for the GFCI outlet. This load center can be protected by a variety of surge suppression options. The deadfront design is available in 100 and 200 amp sizes. All JuiceBox® products are UL 891 or 67 Listed to meet industry and safety standards. The pedestal can be rated suitable for service entrance or nonservice applications maintaining a rating up to 65,000 amps AIC (10,000 amps AIC standard).



Application

The NetXtend™ JuiceBox® Series of cabinets is co-located with active electronic enclosures in wireless and wireline telecommunication networks. JuiceBox® enclosures provide AC power transfer, surge protection, distribution, and T1 terminations for cellular, PCS, telco, DLC, CATV and all wireless markets.



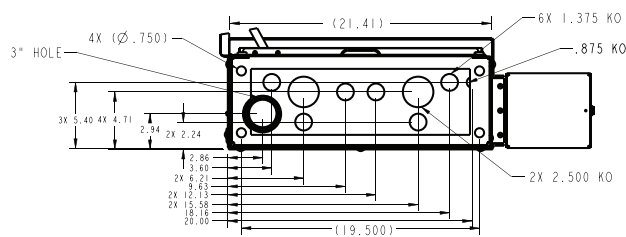
PESB Model

PESB Model

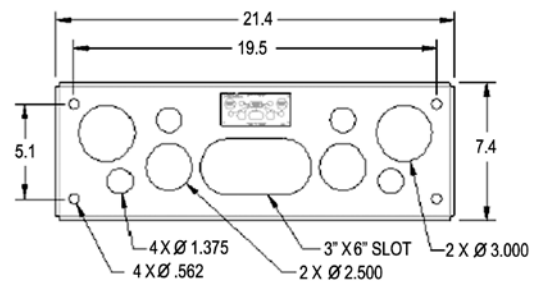
Key Features

- Developed for wireline applications but well suited for wireless too
- Meter housing placement option
- Widely accepted within local power companies

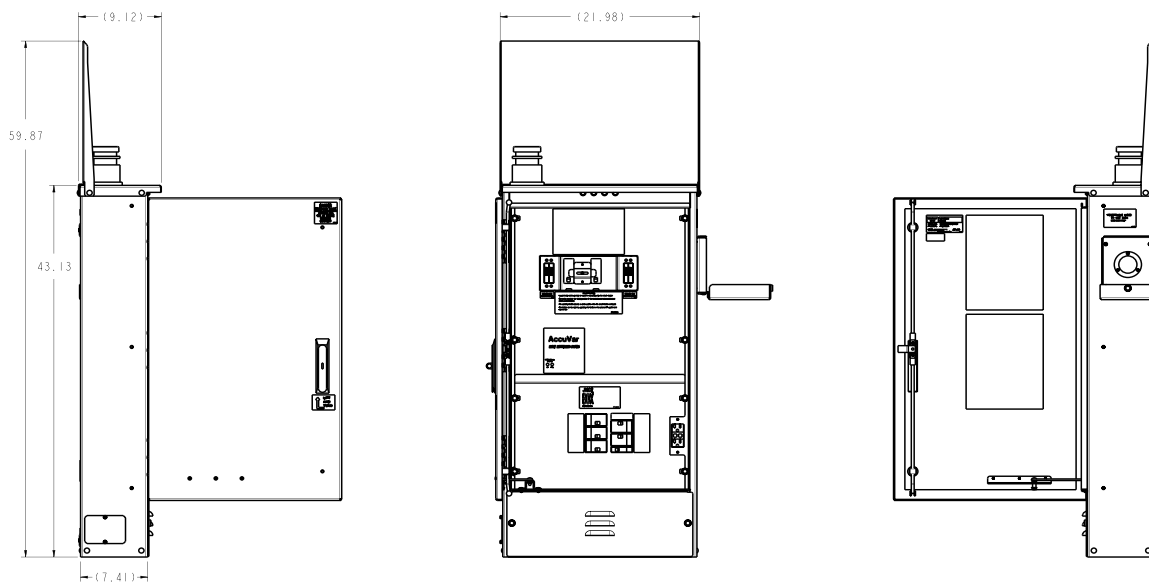
Bottom View – PESB Model



PESB Template Drawing for Pad-Mounting



PESB Dimensions





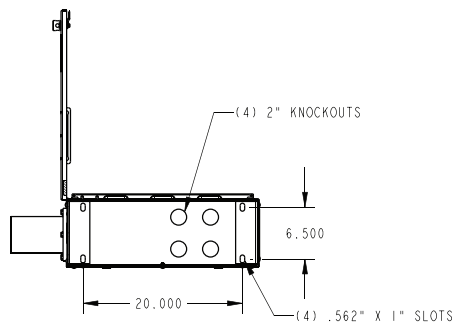
GESB Model

GESB Model

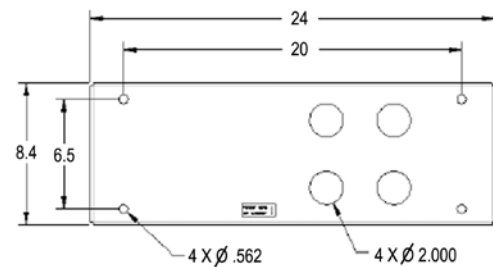
Key Features

- Developed for wireline applications but well suited for wireless too
- Galvanized construction
- No meter housing placement (must be remote mounted)

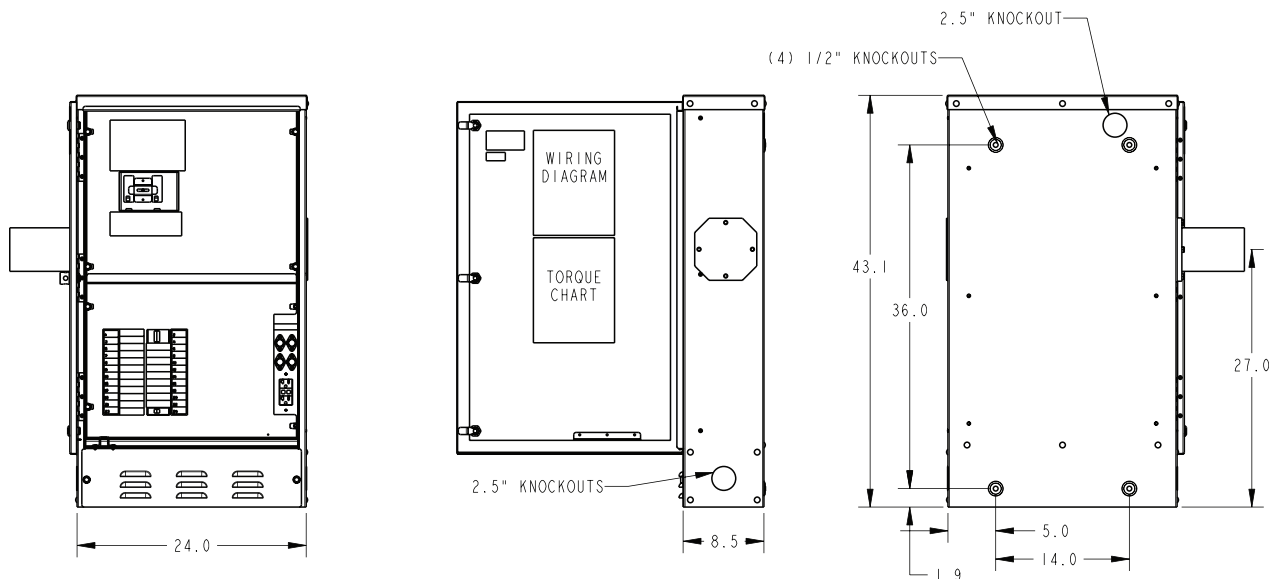
Bottom View – GESB Model



GESB Template Drawing for Pad-Mounting



GESB Dimensions





Ordering Information – PESB Model

Catalog Number	Part Number	Description
22PESBBBCRB12PHB1AM	F1003269	PESB, 22,000 AIC, 100/100, 4100B12W (Hubbell 100amp), right inlet, off-white
22PESBBBHRD5ZFHA1	F1007029	PESB, 22,000 AIC, 100/100, 4100B9W (Hubbell 100amp 3phase), right inlet, off-white
22PESBABHRD5ZFHA1	F1007748	PESB, 22,000 AIC, 200/100, 4100B9W (Hubbell 100amp 3phase), right inlet, off-white
22PESBBDERX12FHA1	F1006649	PESB, 22,000 AIC, 100/30, 2715 (Hubbell 30amp), right inlet, off-white
22PESBBBBRX12FHA1G	F1006651	PESB, 22,000 AIC, 100/100, AR1042-S22 (Crouse Hinds 100amp), right inlet, off-white
Accessories		
PEILMTGBRK	F1003687	Mounting Brackets - Stainless steel frame for 5-in. concrete form (for use with PEILRPEILTEMP)
PEILIE6	F1002885	Base Extenders - Off white aluminum extender to raise the pedestal 6-in. above pad level
PEILPIKIT	F1003828	Pole Mounting Kits - Off White aluminum Pole-Mounting Kit with bottom for Power Transfer Switch
PEILRPEILTEMP	F1003695	Aluminum pad-mounting template, J-bolts and hardware (see drawing)

Ordering Information – GESB Model

Catalog Number	Part Number	Description
42GESBAASLE22JAZ7	F1004389	GESB, 42,000 AIC, 200/200, HBL4200RS1WR (Hubbell 200amp), left inlet, off-white
42GESBAAZZE22JAZ7	F1004412	GESB, 42,000 AIC, 200/200, no inlet, off-white
42GESBAAWLJ22JAZ7	F1004395	GESB, 42,000 AIC, 200/200, HBL5200RS1WR (Hubbell 200amp 3 Phase), left inlet, off-white
Accessories		
GESBTEMP	F1004492	Galvanized pad-mounting template (see drawing)

Ordering Matrix [PESB & GESB Models]

AIC Rating

22 = 22,000 AIC

42 = 42,000 AIC

blank = 10,000 AIC

Transfer Device

PESB = Power Entrance Slide Bar w/Cutler Hammer Breakers & Slide Bar

GESB = Galvanized Entrance Slide Bar w/Cutler Hammer Breakers & Slide Bar

Comercial Power Amperage

A = 200

B = 100

C = 60

F = 200 amp Disconnect

G = 125 amp ED CH

Generator Power Amperage

A = 200

B = 100

C = 60

D = 30

E = 50

F = 100 amp ED CH / 30amp FD CH

Z = None

Generator Inlet Option

A = AR2042-S22 (Crouse Hinds 200amp)

B = AR1042-S22 (Crouse Hinds 100amp)

C = 4100B12W (Hubbell 100amp)

D = 460B12W (Hubbell 60amp)

E = 2715 (Hubbell 30amp)

F = AR20034RS (Appleton 200amp)

G = AR1041-S22 (Crouse Hinds 100amp)

H = 4100B9W (Hubbell 100amp 3phase)

I = HBL460RS1WR (Hubbell Insulgrip 60amp)

J = HBL4100RS1WR (Hubbell 100amp)

K = AR2041-S22 (Crouse Hinds 200amp)

L = ADR1034RS (Appleton 100amp)

M = AR642S22 (Crouse Hinds 60amp)

N = 6375S (Hubbell 50amp)

P = AR20033RS (Appleton 200amp)

Q = HBL5100RS1WR (Hubbell 100amp 3phase)

R = AR1044RS (Appleton 100amp)

S = HBL4200RS1WR (Hubbell 200amp)

T = AR20054RS (Appleton 200amp)

W = HBL5200RS1WR (Hubbell 200amp 3 Phase)

X = 4100B9W (Hubbell 100amp) and 430B12W (Hubbell 30amp)

Z = None

Generator Inlet Location

Z = None (PESB Model)

R = Right (when facing unit)

L = Left (when facing unit)

B = Bottom Front

T = Top Front

Surge Arrester Option

A = AC Data AC2XXV-06

D = Edco™ EMC-240B

E = (Atlantic Scientific) 14101

I = (Transtector) MCP 120TA-200K 1Phase

J = ((Atlantic Scientific) 14103 3Phase

L = (Liebert)

N = (Atlantic Scientific) 11214/P

P = (Atlantic Scientific) 11215/P

Y = AC Data AC2100-NA

Z = None

Load Center Positions

1 = 12 pos. Sq. D

2 = 24 pos. Cutler Hammer

3 = 8 pos. Sq. D

4 = 32 pos. Cutler Hammer

5 = 24 pos. Square D

GFI Option

1 = 15 Amp

2 = 20 Amp

Z = None

Door Handle Option

F = (Emka) Flush Mount, Pad Lock Only #30181

H = (Emka) Flush Mount Hex / Pad Lock Version #30199

P = (Emka) Flush Mount Hex Pin / Pad Lock Version #30196

J = 1/4 turn latch / Qty. 2 slotted / Qty. 1 Slotted Pad Lockable

K = 1/4 turn latch Qty. 2 Hex / Qty. 1 Hex Pad Lockable

Meter Options

A = No Meter Hub or Back Plate (Flat Top)

B = Milbank Z911559-AC side enclosure installed

C = Durham TRS223A 200 Amp

D = Siemens UAT417-XPQG

E = Milbank U4721-O-BL 200 Amp

H = Meter Hub and Back Plate only (additional hub ships with unit)

I = Cutler Hammer 200 Amp UTRS213C

1 = Durham 1005647A 200 Amp

2 = Milbank U7040XLTKGK 200 Amp 4 Terminal Ringless

3 = Milbank U7018XLTG 200 Amp 4 Terminal Ring Type

4 = Milbank 114TB 100A Ring Type w/Test Bypass

5 = Milbank 124TB 200 Amp Ring Type with Test Bypass

7 = Milbank U214MTB 100amp

8 = Milbank U224MTB-P 200amp

9 = Milbank U9551-RXL 200 Amp 5 Terminal Ringless w/ Jaw Clamping Lever

Color

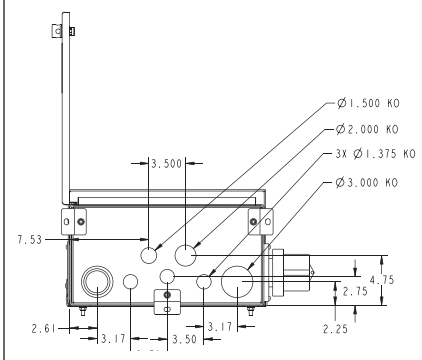
1 = Off-White

2 = Green

7 = Textured Gray

Key Features

- ### Bottom View – PE24MC



Technical drawings of the 1000 Series 100 Amp 240VAC Single Phase Transfer Switch, showing front, rear, and side views with dimensions.

Front View Dimensions:

- Top width: 11.156
- Bottom width: 27.975
- Height: 44.500
- Right side width: 24.00

Internal Components (Rear View):

- Terminal block with labels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- Terminal block with labels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- Terminal block with labels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- Terminal block with labels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Side View Dimensions:

- Top width: 11.156
- Bottom width: 27.975
- Height: 44.500
- Right side width: 24.00

Front View Details:

- Label: "WIRING DIAGRAM TORQUE CHART"
- Label: "CAUTION: MOVING PARTS. KEEP Fingers and Tools Clear of Moving Parts."

Side View Details:

- Label: "2X Ø .750 KNOCKOUTS"
- Label: "4X Ø .312-18 STUDS"
- Dimensions: 9.250, 18.000, 2.375, 1.250, 16.000

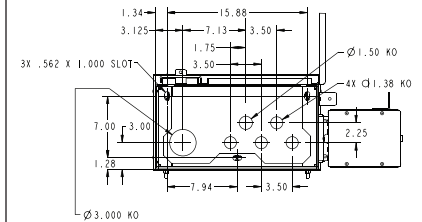
Catalog Number	Part Number	Description
2PE24MCBBCRF3ZMHA1	F1007443	PE24, right inlet, off-white
2PE24MCBBHRF3ZMHA1	F1008447	PE24, left inlet, off-white

PE24ME Model

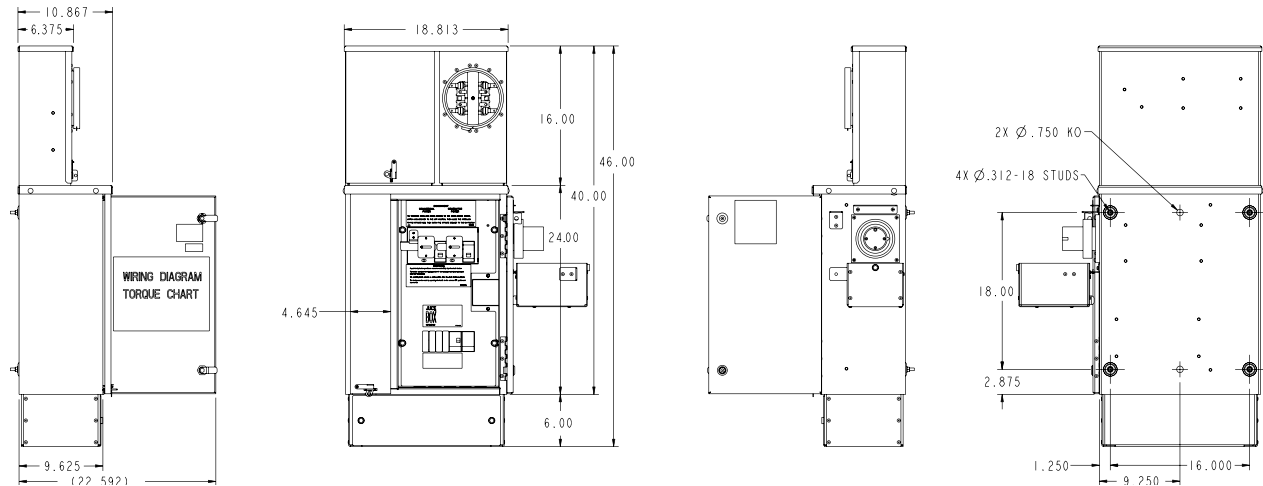
Key Features

- Developed for wireline applications but well suited for wireless too
- Compact design allows for low profile mounting
- Meter housing placement option

Bottom View – PE24ME



Dimensions – PE24ME Model (42,000 AIC)



Ordering Information – PE24ME Model (42,000 AIC)

Catalog Number	Part Number	Description
4PE24MEBBCRF3ZMEZ1	F1007447	PE24 West version, off-white, 100/100
4PE24MEBBCRF3ZMEZ2	F1007553	PE24 West version, green, 100/100
4PE24MEBENRF3ZMEZ1	F1008879	PE24 West version, off white, 100/50
4PE24MEBENRF3ZMEZ2	F1008880	PE24 West version, green, 100/50



NetXtend™ JuiceBox® pedestals are co-located with active electronic closures in telecommunication networks to provide AC power transfer, metering points, surge protection, and distribution within wireless and wireline networks.

PE24 Ordering Matrix

AIC Rating	4 = 42,000 AIC 2 = 22,000 AIC		
Transfer Device	PE24MC = Power Entrance Slide Bar (PESB) transfer device with SqD breakers PE24MD = Power Entrance InterLock (PEIL) transfer device with Sq D walking beam and 3-pole breakers, breaking the neutral PE24ME = Power Entrance InterLock (PEIL) transfer device w/ Sq D FHL/FAL breaker and slide bar		
Commercial Power Amperage	B = 100		
Generator Power Amperage	B = 100	D = 30	E = 50
Generator Inlet	C = 4100B12W (Hubbell 100amp) E = 2715 (Hubbell 30amp)		N = 6375S (Hubbell 50amp) H = 4100B9W (Hubbell 100amp)
Generator Inlet Location *	R = Right L = Left	B = Bottom Z = None	
Surge Arrester Option	F = (AC Data) AC2050M-07		
Load Center Positions	1 = 12 pos. Sq. D	3 = 8 pos. Sq. D	
GFI Option	Z = None		
Door Handle Option	M = Pad Lockable quarter turn latch, Qty. 1 Hex/Pin, Qty. 1 Hex/Pin		
Meter Options	H = Meter hub and back plate only (additional hub ships with unit) W = Side mounted meter back plate for external conduit E = Top mounted Cutler Hammer terminal blocks and socket K = Meter option "E" with 9" hood		
Incoming Conduit Option	A = 2.5" PVC		
Color	1 = Off-white	2 = Green	

* Generator inlet will be on the (R)ight or (L)eft side of the power pedestal as seen when one is facing the pedestal.



Accessories – PE24MC Model (22,000 AIC)

Catalog Number	Part Number	Description
PE24WIKIT	F1007445	PE24 wall-mounting kit, off white
PE24WGKIT	F1007838	PE24 wall-mounting kit, green
PE24PIKIT	F1007446	PE24 pole-mounting kit, off white
PE24PGKIT	F1007839	PE24 pole-mounting kit, green
PE24EXT6	F1007830	PE24 6" pad-mounting kit (pedestal including template), off-white
PE24EXT6G	F1007840	PE24 6" pad-mounting kit (pedestal including template), green
PE24TEMP	F1007831	PE24 pad-mounting template

Accessories – PE24ME Model (42,000 AIC)

Catalog Number	Part Number	Description
PE24MEEXT6	F1007448	PE24 pad-mounting kit (pedestal including template), off-white
PE24MEEXT6G	F1007964	PE24 pad-mounting kit (pedestal including template), green
PE24METEMP	F1007554	PE24 pad-mounting template
PE24WGKIT	F1007838	PE24 Wall mounting kit, green
PE24WIKIT	F1007445	PE24 wall-mounting kit, off-white
PE24MESR8	F1008238	8" bottom shroud, off-white
PE24MESRG	F1008239	8" bottom shroud, green
PE24MESR22	F1008241	22" bottom shroud, off-white
PE24MESR22G	F1008242	22" bottom shroud, green
PE24MEEXT8	F1008243	8" pad-mounting kit, off-white (pedestal including template)
PE24MEEXT8G	F1008244	8" pad-mounting kit, green (pedestal including template)
PE24MEEXT22	F1008245	22" pad-mounting kit, off-white (pedestal including template)
PE24MEEXT22G	F1008246	22" pad-mounting kit, green (pedestal including template)
PE24ME5HOOD	F1008247	5" hood meter cover, off-white
PE24ME5HOODG	F1008248	5" hood meter cover, green



A8 Model

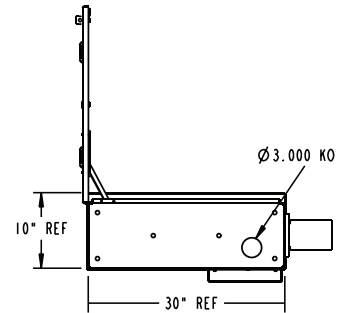
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solutions for today's telecommunications
and data network infrastructure

A8 Model

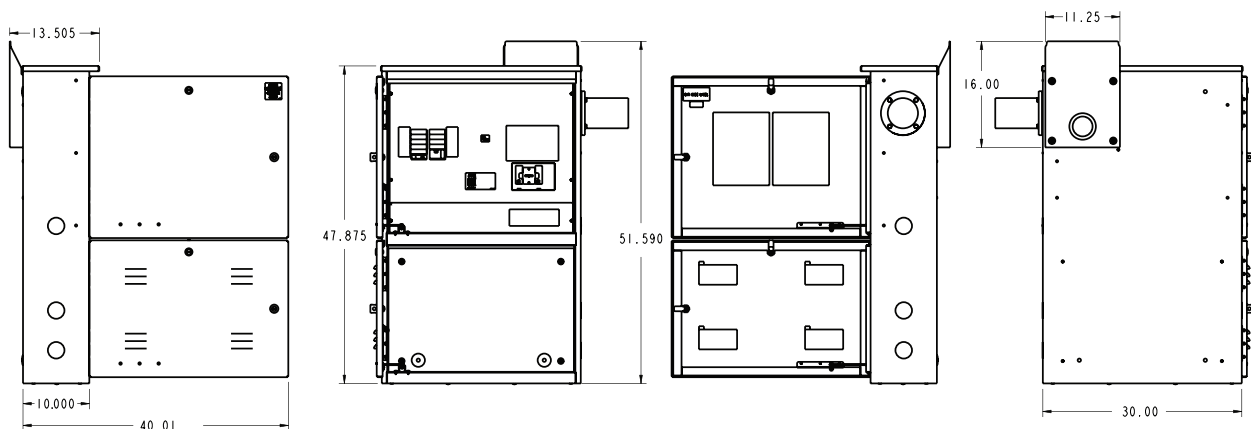
Key Features

- Designed specifically for wireless applications
- Underneath telco section allows for T1 demarcation
- Compact design maximizes area on site

Bottom View – A8 Model



A8 Dimensions





Ordering Information – A8 Model

Catalog Number	Part Number	Description
ESBA8ADTZN7	F1004100	A8, 10,000 AIC, ESB, 26-in. power compartment, 10-in. telco compartment, 200/200, AR20034RS (Appleton 200amp), off white
ESBA8BBHFN7	F1004085	A8, 10,000 AIC, ESB, 26-in. power compartment, 10-in. telco compartment, 200/100, 4100B12W (Hubbell 100amp), off white
ESBA8CLTZN7	F1009643	A8, 10,000 AIC, ESB, 26-in. power compartment, 10-in. telco compartment, 100/100, ADR1034RS (Appleton 100amp), off white
Accessories		
A8EXT	F1003921	Extender and template for pad mounting

A8 Ordering Matrix

AIC Rating	blank = 10K AIC 22 = 22K AIC	42 = 42K AIC 65 = 65K AIC
Transfer Device/ Standard Features	ESB = Cutler Hammer/Slide Bar Transfer	
PTS/Telco Arrangement A8 = PTS (26-in. power compartment)	B8 = PTS (37-in. power compartment) Telco over-under	G8 = PTS telco galvanized over-under
Telco Module	7 = 20" deep telco chamber Z = None (A5 only)	blank = 10" deep telco chamber
Commercial/Generator Amperages	A = 200/200 B = 200/100	C = 100/100
Generator Inlet A = AR2041-S22 (Crouse Hinds 200amp) B = 4100B12W (Hubbell 100amp) C = AR20044RS (Appleton 200amp)	D = AR20034RS (Appleton 200amp) I = HBL4200RS1WR (Hubbell 200amp) L = ADR1034RS (Appleton 100amp)	P = AR20033RS (Appleton 200amp) W = HBL5200RS1WR (Hubbell 200amp 3Ph) Z = None
Surge Protection A = AC2XXV-06 (AC Data)	F = 14301 (Atlantic Scientific) I = 14101 (Atlantic Scientific)	N = 11214/P (Atlantic Scientific) Z = None
T-1 Protection	A = Qty. 1 B = Qty. 2	Z = None
Power Compartment GFI	Y = Yes	N = No
Color	1 = Off White	



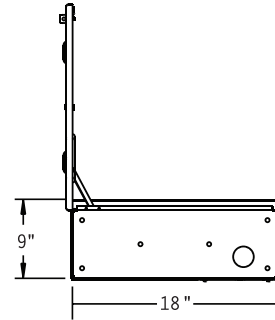
ATS Model

ATS Model

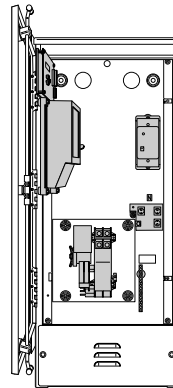
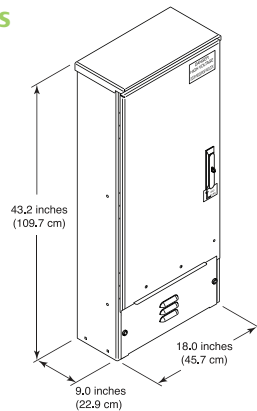
Key Features

- ASCO 300 Series switch
- Hinged deadfront panel with wind latch
- 200A main breaker for normal power
- ATS controller
- Isolated neutral assembly
- ATS contactor
- Ground bar
- Conduit access panel
- 11BG engine exerciser

Bottom View – ATS Model



ATS Model Dimensions



Ordering Information – ATS Model

Catalog Number	Part Number	Description
A100C	F1007034	100Amp ATS stand alone module (remote mount)
A200C	F1007035	200Amp ATS stand alone module (remote mount)
ATSTEMP	F1007036	Pad mounting template for ATS modules
ATSXI	F1007484	Bottom for ATS when wall mounting



Accessories for All Models

Catalog Number	Part Number	Description
Meter Housings		
1005647	1005647	200 amp Durham meter housing
U7040XLTGKK	E74116	200 amp Milbank meter housing, ringless, horn type (M2)
U7018XLTGKK	E74125	200 amp Milbank meter housing, ringless
U2964XTL	U2964XTL	100 amp Milbank meter housing, test by-pass
U2974XTL	U2974XTL	200 amp Milbank meter housing, test by-pass
U9551-RXL	U9551-RXL	200 amp Milbank meter housing (M9)
Generator Power Cords		
11680		Hubbell 100 amp generator connector 4100C12W
11680-11681-25		25-ft. 100/100 amp cord set e/w Hubbell 4100C12 connector to Hubbell 4100P12 plug
11680-11681-50		50-ft. 100 amp cord set e/w Hubbell 4100C12 connector to Hubbell 4100P12 plug
11680-11720-25		25-ft. 100/30 amp cord set e/w Hubbell 4100C12W connector to Hubbell #2711 plug
11680-11720-50		50-ft. 100/30 amp cord set e/w Hubbell 4100C12W connector to Hubbell #2711 plug

NOTE: Circuit breakers available, please call customer service at 1-800-800-1280.



Emerson Network Power provides a complete range of communications network infrastructure solutions and services built on an industry-leading reputation for quality, reliability and value

The local presence of a global organization

To be profitable, your wireline and wireless networks must be properly deployed and individual sites must perform reliably, night and day. Emerson Network Power understands this and offers a wide array of global installation and support services.

Our experienced technicians will conduct site surveys of your current installations, and recommend and engineer the necessary enclosure and power solutions to accomplish your goals. We will prepare prints and other documentation and pre-stage and configure all equipment to assure efficient installation. We will install and test enclosures and power systems prior to going on line. And we will provide post-installation maintenance contracts and emergency services to keep all systems running efficiently.

In short, you can focus on keeping your customers connected, knowing you have Emerson Network Power global service coverage, with over 150 service locations worldwide and 2,000 certified professionals with local knowledge behind you.

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Emerson Network Power

Energy Systems, North America

4350 Weaver Parkway, Warrenton, IL 60555 USA

Toll Free: 800-800-1280 (USA and Canada)

Telephone: 440-246-6999 **Fax:** 440-246-4876

Web: EmersonNetworkPower.com/EnergySystems

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■ DC Power	■ Infrastructure Management & Monitoring	■ Precision Cooling	■ Surge Protection